AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions, and listings of the claims in the application:

1. (Currently Amended) A method of generating signals in a drug delivering apparatus through which a person inhales to generate an inhaled airstream, comprising the steps of:

detecting the commencement of inhalation via a sensor;

signalling to the person to cease inhalation after a pre-set period of time has elapsed from the detection of the commencement of breathing;

detecting a time the person takes to stop inhaling after being signalled; and

adjusting the pre-set period of time for subsequent inhalations depending on the time the person takes to stop inhaling after being signalled.

2. (Original) A method according to claim 1, wherein the pre-set period of time is increased if the time taken to stop inhaling exceeds a first threshold time.

3. (Currently Amended) A method according to claim 1, wherein the ~~first~~ pre-set period of time is decreased if the time taken to stop inhaling is less than a ~~second~~ threshold time.

4. (Currently Amended) A method according to claim 2, wherein the ~~first~~ pre-set period of time is decreased if the time taken to stop inhaling is less than a second threshold time and wherein the first threshold time is greater than or equal to the second threshold time.

5. (Previously Presented) A method according to claim 2, wherein the first threshold time is about 0. 5 seconds.

6. (Previously Presented) A method according to claim 5, wherein the first

threshold time is in the range of 0.25 to 0.75 seconds.

7. (Original) A method according to claim 5, wherein the first threshold time is in the range of 0.35 to 0.65 seconds.

8. (Original) A method according to claim 5, wherein the first threshold time is in the range of 0.45 to 0.55 seconds.

9. (Previously Presented) A method according to claim 3, wherein the second threshold time is about 0.3 seconds.

10. (Original) A method according to claim 9, wherein the second threshold time is in the range of-0.2 to 0.5 seconds.

11. (Original) A method according to claim 9, wherein the second threshold time is in the range of 0 to 0.4 seconds.

12. (Original) A method according to claim 9, wherein the second threshold time is in the range of 0.25 to 0.35 seconds.

13. (Currently Amended) A method according to claim 1, wherein the method further comprises ~~the steps of: detecting the end of inhalation; and~~ calculating the period of inhalation and the period between inhalations.

14. (Currently Amended) A method according to claim 13, wherein the method further comprises the step of calculating [[the]]an I:E ratio, and if it is greater than a third threshold, increasing the pre-set period of time.

15. (Original) A method according to claim 14, wherein the third threshold is about one.

16. (Previously Presented) A method according to claim 13, further comprising the step of calculating the I:E ratio, and if it is less than a fourth threshold, decreasing the pre-set period of time.

17. (Original) A method according to claim 16, wherein the fourth threshold is about one third.

18. (Previously Presented) A method according to claim 1, wherein the method further comprises the step of delivering an aerosolized substance into at least a part of the inhaled airstream.

19. (Previously Presented) A method according to claim 27, wherein aerosol delivery is ceased at least one second before signalling to the person.

20. (Previously Presented) A method according to claim 27, wherein aerosol delivery is ceased at least two seconds before signalling to the person.

21. (Currently Amended) A drug delivery apparatus arranged to deliver aerosolized drug into an inhaled airstream of a person comprising:

an airflow sensor for detecting the inhaled airstream;

a signalling device arranged to give signals to the person; and

a controller arranged to control the operation of the signalling device on the basis of the inhaled airstream detected by the flow sensor, ~~whereby~~ wherein the controller is configured to:

cause[[s]] the signalling device to signal to the person to cease inhalation after a pre-set period of time following the detection of inhalation;

detect, via the airflow sensor, a time the person takes to stop inhaling after being signaled; and

adjust[[s]] the pre-set period of time for subsequent inhalations depending on the detected time the person takes to stop inhaling after being signalled.

22. (Previously Presented) An apparatus according to claim21, further comprising an airflow regulator for restricting the speed of the inhaled airstream through the apparatus.

23. (Previously Presented) An apparatus according to claim21, further comprising an aerosol generator for aerosolizing the drug into the inhaled airstream.

24. (Previously Presented) An apparatus according to claim 21, wherein the signalling device is any one or more of: an audio device, a visual device and a vibrator device.

25. (Previously Presented) An apparatus according to claim 21, wherein the controller includes a calculator arranged to calculate the pre-set period of time.

26. (Previously Presented) An apparatus according to claim 21, wherein the controller is formed by a microprocessor.

27. (Previously Presented) A method according to claim 18, further comprising the step of ceasing aerosol delivery before signaling to the person to cease inhalation.